WHAT IS CLAIMED IS:

1. A device manufacturing method comprising: providing a substrate;

providing a first layer of electromagnetic radiation sensitive material on said substrate;

providing a second layer of electromagnetic radiation sensitive material on said first layer of radiation sensitive material, said second layer of radiation sensitive material being of a different material than said first layer of radiation sensitive material;

providing a beam of electromagnetic radiation using an illumination system; imparting said beam of radiation with a desired pattern in its cross-section by employing a patterning device; and

projecting said patterned beam of radiation onto a target portion of said first and second layers of radiation sensitive material.

- 2. The device manufacturing method of Claim 1, wherein said first layer of radiation sensitive material has a dose size of approximately 1.5 times to 2.5 times the magnitude of the dose size of said second layer of radiation sensitive material.
- 3. The device manufacturing method of Claim 1, wherein said first layer is thinner than said second layer.
- 4. The device manufacturing method of Claim 1, wherein said first layer is between 100 and 500nm thick and said second layer is between 500 and 1500 nm thick.
- 5. The device manufacturing method of Claim 1, wherein said first and second materials are substantially immiscible.
- 6. The device manufacturing method of Claim 1, wherein said first and second materials are based on a similar generic solvent.

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- 7. The device manufacturing method of Claim 1, wherein said first and second materials are based on bulky-acetal polymers.
- 8. The device manufacturing method of Claim 7, wherein said first and second materials have different solvents.
- 9. The device manufacturing method of Claim 1, wherein said first layer material comprises GKRS 6202 and said second layer material comprises ARCH 8250.
- 10. The device manufacturing method of Claim 1, wherein said first and second layer materials are positively radiation sensitive.
- 11. The device manufacturing method of Claim 1, further comprising developing said first and second layers of radiation sensitive material to remove portions which have been exposed.
- 12. The device manufacturing method of Claim 11, wherein said removed portion of said first layer is smaller than said removed portion of said second layer.
- 13. The device manufacturing method of Claim 11, wherein said second layer overhangs said first layer after developing.
- 14. The device manufacturing method of Claim 11, further comprising depositing a first layer of metal onto said substrate.
- 15. The device manufacturing method of Claim 14, further comprising lifting off said first and second layers of radiation sensitive material to leave a T-gate on said substrate.

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- 16. The device manufacturing method of Claim 14, further comprising, before said lifting off, depositing a second layer of metal onto said substrate.
- 17. The device manufacturing method of Claim 16, wherein said first layer of metal comprises Ti or Pt and said second layer comprises Pt or Au.
- 18. The device manufacturing method of Claim 16, further comprising depositing a third layer of metal onto said substrate.
- 19. The device manufacturing method of Claim 18, wherein said third layer of metal comprises Au.
- 20. A substrate for use in an electromagnetic lithographic apparatus, said substrate comprising:
- a first layer of electromagnetic radiation sensitive material attached to a surface; and
- a second layer of electromagnetic radiation sensitive material attached to said first layer of radiation sensitive material,

wherein said first layer of radiation sensitive material is of a different material to said second layer of radiation sensitive material.

- 21. The substrate of Claim 20, wherein said first layer of radiation sensitive material has a dose size of approximately 1.5 times to 2.5 times the magnitude of the dose size of said second layer of radiation sensitive material.
- 22. The substrate of Claim 20, wherein said first and second materials are based on similar generic solvents.